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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,706	05/10/2006	Vitali Tararov	LNK-014	3660
31496 7590 01/18/2008 SMITH PATENT CONSULTING CONSULTING, LLC 3309 DUKE STREET			EXAMINER	
			DENTZ, BERNARD I	
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			1625	
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			MAIL DATE	DELIVERY MODE
			01/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary Examiner TARAROV ET AL.  Art Unit					
Office Action Summary Examiner Art Unit					
Bernard Dentz 1625					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
1) Responsive to communication(s) filed on 12-26-2008.					
2a) This action is <b>FINAL</b> . 2b) ⊠ This action is non-final.					
☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application.					
4a) Of the above claim(s) See Continuation Sheet is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-4,6-10,12 and 15</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers .					
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> </ul>					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
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Attachment(s)					
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  Paper No(s)/Mail Date					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application  6) Other:					

Continuation of Disposition of Claims: Claims withdrawn from consideration are 5 and 11,13 and 14 and non-elected parts of claims 4,6-10 and 12.

Application/Control Number:

10/578,706 Art Unit: 1625

The restriction is proper because the US Patent 5,286,883 discloses that the product of the reduction is commonly converted into the corresponding lactone. See col. 1,lines 14-32. It is made final. Non-elected claims 5, 11, 13 and 14 are withdrawn from consideration.

Claims 1-3 and 15 in whole and claims 4, 6-10 and 12 in part, are deemed to read on the elected process. Applicants have elected a multi-step process for making atorvastatin in which a key intermediate is compound (I) in which R is CH2CH2NH2 recited in part (e) of claim 4.

This compound is made by reducing the corresponding CH2CH2CN (the cyanoethyl) compound.

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-4,6-10, 12 and 15 are rejected under 35 USC 101 since the disclosed invention is inoperative and therefore lacks utility. The multi-step synthesis is based on steps which have been disclosed as inoperative in a journal article of which all 3 of the instant inventors are authors.

The process of part (e) of claim 4 requires the conversion of a compound of formula (I) where R is  $CH_2R^2$  where  $R^2$  is tosylate into the compound where  $R^2$  is cyano. See p. 12, lines 14-16 and p. 25, line 10.

However Tararov et al. Eur. J. Org. Chem, P. 5543-5550 (2006) discloses that . preferred compounds of instant formula (I) (see p. 8 of the specification) in which instant

Application/Control Number:

10/578,706 Art Unit: 1625

S<sup>1</sup> is tert-butyldiphenylsilyl or tert-butyldimethylsilyl and R<sup>2</sup> is tosylate or iodo could not be converted to the corresponding cyano compound

See p.5545, col. 2, second complete par. in which the first sentence is: "Unfortunately, it was not possible to achieve substitution of the tosyl group by cyanide under a variety of conditions." See the rest of the par. where a wide variety of conditions are described.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4,6-10, 12 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Of course claims 1-3, 6-10 and 15 are incomplete in not (especially independent claim 1) in not reciting the elected process for making atorvastatin given in claim 4 part (e). Applicants must draw claim 1 to the elected method for making atorvastatin.

Applicants must cancel all of the non-elected material from the claims

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard Dentz whose telephone number is 571-272-0683. The examiner can normally be reached on Mon.-Fri from 8 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres, can be reached on 571 272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number:

10/578,706 Art Unit: 1625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Dentz** 

1-11-2008

PRIMARY EXAMINER